

Atty. Docket No. 98-0967A  
Serial No. 09/155,076  
December 22, 2004

**AMENDMENTS TO THE CLAIMS:**

**1-12. (Cancelled)**

**13. (Currently amended)** An isolated peptide selected from the group consisting of ~~(a) the~~ a peptide of SEQ ID No. 1, said peptide having a calcium channel modulatory function, ~~and (b) functional variants of the peptide of SEQ ID No. 1, wherein said functional variants (i) comprise at least 6 amino acid residues, (ii) have at least 70% homology with all of the peptide of SEQ ID No. 1 and (iii) retain said calcium channel modulatory function of the peptide of SEQ ID No. 1.~~

**14-15. (Cancelled)**

**16. (Previously presented)** A probe consisting of the peptide of claim 13, labeled with a signal moiety, or immobilized on a solid support.

**17-29. (Cancelled)**

**30. (Previously presented)** The peptide as claimed in claim 13, which peptide is a fragment of acetylcholinesterase.

**31. (Previously presented)** The peptide as claimed in claim 13, which peptide has been chemically synthesized.

**32. (Cancelled)**

**33. (Currently amended)** A method for obtaining an antibody comprising using the peptide according to any one of claims 13, 30, and 31 ~~and 32~~ as an antigen to obtain said antibody.

Atty. Docket No. 98-0967A  
Serial No. 09/155,076  
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**34. (Currently amended)** A method of screening comprising using the peptide according to any one of claims 13, 30, and 31 ~~and 32~~ to screen for a compound which inhibits the activity of said peptide as a calcium channel modulator.

**35. (Withdrawn)** A method of identifying a compound which inhibits calcium channel modulation, said method comprising using the screening method according to claim 34 to screen for and identify said compound.

**36-38. (Cancelled)**